



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 11191319
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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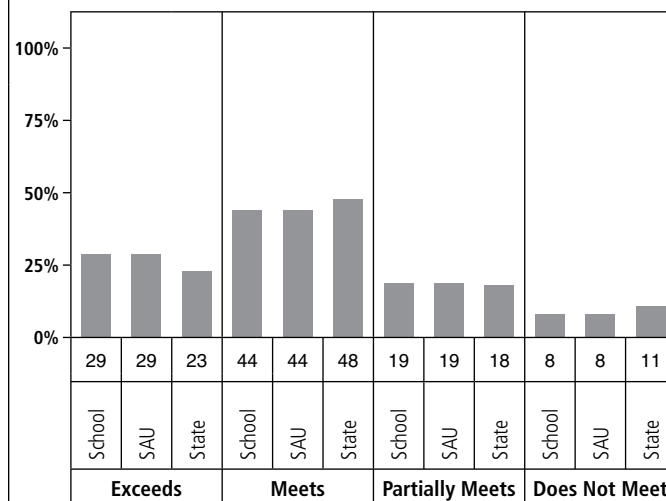
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

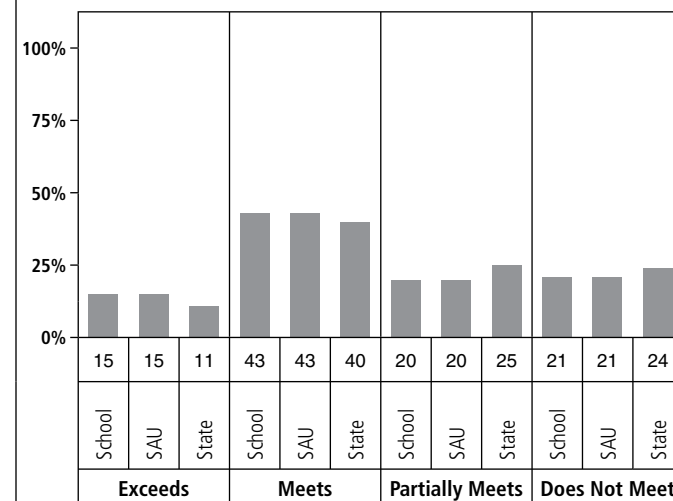
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	841	841	845
2006–2007	845	844	847
2007–2008	851	851	849
Cum. Avg. *	846	845	847
Mathematics			
2005–2006	840	840	840
2006–2007	841	841	842
2007–2008	843	843	841
Cum. Avg. *	841	841	841
Science & Technology			
2005–2006	846	846	846
2006–2007	848	847	847
2007–2008	849	849	847
Cum. Avg. *	848	847	847

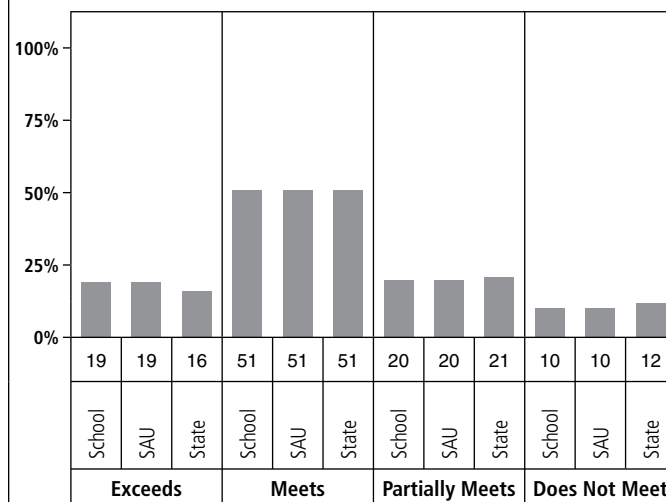
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																												
							ELA-Reading						Mathematics						Science and Technology																
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State						
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%					
Total number of students	85	100	85	100	15274	100	85	100	85	100	15102	99	85	100	85	100	15097	99	85	100	85	100	15080	99											
Ethnicity	African American/Black						2	2	2	2	368	2	2	100	2	100	356	97	2	100	2	100	360	98	2	100	2	100	356	97					
	American Indian or Native Alaskan						0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98					
	Asian or Pacific Islander						1	1	1	1	186	1	1	100	1	100	181	97	1	100	1	100	182	98	1	100	1	100	182	98					
	Hispanic						4	5	4	5	139	1	4	100	4	100	136	98	4	100	4	100	136	98	4	100	4	100	136	98					
	Caucasian/White						78	92	78	92	14461	95	78	100	78	100	14312	99	78	100	78	100	14302	99	78	100	78	100	14289	99					
	Not Reported						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Identified disability	16	19	16	19	2508	16	16	100	16	100	2446	98	16	100	16	100	2441	98	16	100	16	100	2431	98											
Current LEP	1	1	1	1	327	2	1	100	1	100	316	97	1	100	1	100	322	99	1	100	1	100	322	99											
Economically disadvantaged	25	29	25	29	5420	35	25	100	25	100	5329	99	25	100	25	100	5324	99	25	100	25	100	5313	98											
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100											

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	78	92	78	92	12703	83	78	92	78	92	12694	83	78	92	78	92	12710	83						
Identified disability (PET/IEP)	9	12	9	12	437	3	9	12	9	12	421	3	9	12	9	12	445	4						
LEP	1	1	1	1	172	1	1	1	1	1	172	1	1	1	1	1	173	1						
504 plan	1	1	1	1	229	2	1	1	1	1	231	2	1	1	1	1	230	2						
Participation with accommodations	6	7	6	7	2221	15	6	7	6	7	2227	15	6	7	6	7	2197	14						
Identified disability (PET/IEP)	6	100	6	100	1832	82	6	100	6	100	1844	83	6	100	6	100	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	1	1	1	1	177	1	1	1	1	1	176	1	1	1	1	1	173	1						
Identified disability (PET/IEP)	1	100	1	100	177	100	1	100	1	100	176	100	1	100	1	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	0	0	0	0	140	1	0	0	0	0	143	1	0	0	0	0	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	10	12	10	12	2695	17
	2006-2007	11	17	11	16	2407	16
	2007-2008	24	29	24	29	3428	23
	Cum. Total*	45	19	45	19	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	28	35	28	35	6830	42
	2006-2007	24	36	24	35	7494	49
	2007-2008	37	44	37	44	7179	48
	Cum. Total*	89	39	89	38	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	25	31	25	31	3741	23
	2006-2007	20	30	20	29	3628	24
	2007-2008	16	19	16	19	2706	18
	Cum. Total*	61	26	61	26	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	18	22	18	22	3003	18
	2006-2007	11	17	13	19	1810	12
	2007-2008	7	8	7	8	1611	11
	Cum. Total*	36	16	38	16	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	37.4	66.8	37.4	66.8	36.9	65.9
Literary Text	28	50	18.6	66.4	18.6	66.4	18.3	65.4
Informational Text	28	50	18.8	67.1	18.8	67.1	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	84	24	29	37	44	16	19	7	8	851	84	29	44	19	8	851	14924	23	48	18	11	849
Ethnicity																						
African American/Black	2										2						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	1										1						179	32	39	18	11	852
Hispanic	3										3						131	18	38	27	17	846
Caucasian/White	78	22	28	35	45	15	19	6	8	850	78	28	45	19	8	850	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	6	40	5	33	4	27	834	15	0	40	33	27	834	2269	3	24	32	42	833
No	69	24	35	31	45	11	16	3	4	854	69	35	45	16	4	854	12655	27	52	16	5	852
Current LEP																						
Yes	1										1						308	8	30	27	34	837
No	83	24	29	37	45	16	19	6	7	851	83	29	45	19	7	851	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	25	4	16	11	44	7	28	3	12	845	25	16	44	28	12	845	5222	12	44	25	19	843
No	59	20	34	26	44	9	15	4	7	853	59	34	44	15	7	853	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	84	24	29	37	44	16	19	7	8	851	84	29	44	19	8	851	14917	23	48	18	11	849
Gender																						
Female	32	10	31	11	34	11	34	0	0	852	32	31	34	34	0	852	7198	30	48	15	7	853
Male	52	14	27	26	50	5	10	7	13	850	52	27	50	10	13	850	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	84	24	29	37	44	16	19	7	8	851	84	29	44	19	8	851	14117	24	49	17	10	850
Gifted/talented program																						
Yes	0										0						592	71	28	1	0	867
No	84	24	29	37	44	16	19	7	8	851	84	29	44	19	8	851	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	10 43 43 4	1 9 14 0	13 25 39 0	4 18 12 3	50 50 33 100	2 6 8 0	25 17 22 0	1 3 2 0	13 8 6 0	845 851 853 847	10 43 43 4	13 25 39 0	50 50 33 100	25 17 22 0	13 8 6 0	845 851 853 847	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	34 49 17 0	11 9 4 0	39 22 29 0	12 21 4 0	43 51 29 0	5 7 4 0	18 17 29 0	0 4 2 0	0 10 14 0	857 850 843 0	34 49 17 0	39 22 29 0	43 51 29 0	18 17 29 0	0 10 14 0	857 850 843 0	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	27 48 21 4	12 10 2 0	55 26 12 0	9 16 9 2	41 41 53 67	1 8 6 0	5 21 35 0	0 5 0 1	0 13 0 33	862 849 847 835	27 48 21 4	55 26 12 0	41 41 53 67	5 21 35 0	0 13 0 33	862 849 847 835	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	10 67 23	1 16 7	13 30 37	4 25 7	50 46 37	1 11 4	13 20 21	2 2 1	25 4 5	838 853 853	10 67 23	13 30 37	50 46 37	13 20 21	25 4 5	838 853 853	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	12 46 42	1 9 13	10 24 38	5 18 13	50 49 38	2 9 5	20 24 15	2 1 3	20 3 9	841 850 854	12 46 42	10 24 38	50 49 38	20 24 15	20 3 9	841 850 854	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	45 46 10	7 16 1	19 42 13	17 16 4	46 42 50	9 4 3	24 11 38	4 2 0	11 5 0	847 856 848	45 46 10	19 42 13	46 42 50	24 11 38	11 5 0	847 856 848	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	16 28 23 34	6 7 8 3	46 30 42 11	5 12 7 13	38 52 37 46	1 4 3 8	8 17 16 29	1 0 1 4	8 0 5 14	855 856 854 843	16 28 23 34	46 30 42 11	38 52 37 46	8 17 16 29	8 0 5 14	855 856 854 843	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	36 54 7 2	9 15 0 0	30 33 0 0	15 18 2 2	50 40 33 100	3 9 4 0	10 20 67 0	3 3 0 0	10 7 0 0	853 852 837 844	36 54 7 2	30 33 0 0	50 40 33 100	10 20 67 0	10 7 0 0	853 852 837 844	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
Optional school/SAU question A. B. C. D.	50 25 0 25	0 1 0 0	0 100 0 0	1 0 0 1	50 0 0 100	1 0 0 0	50 0 0 0	0 0 0 0	0 0 0 0	837 868 0 856	50 25 0 25	0 100 0 0	50 0 0 100	50 0 0 0	0 0 0 0	837 868 0 856						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	9	11	9	11	1714	11
	2006-2007	7	11	7	10	1952	13
	2007-2008	13	15	13	15	1657	11
	Cum. Total*	29	13	29	13	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	30	38	30	38	5533	34
	2006-2007	27	41	27	40	5870	38
	2007-2008	36	43	36	43	5956	40
	Cum. Total*	93	40	93	40	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	24	30	24	30	4764	29
	2006-2007	16	24	17	25	3982	26
	2007-2008	17	20	17	20	3729	25
	Cum. Total*	57	25	58	25	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	17	21	17	21	4251	26
	2006-2007	16	24	17	25	3534	23
	2007-2008	18	21	18	21	3579	24
	Cum. Total*	51	22	52	22	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	8.7	54.4	8.7	54.4	8.4	52.5
Cluster 2: Shape and Size	14	25	5.8	41.4	5.8	41.4	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	5.0	62.5	5.0	62.5	4.6	57.5
Cluster 4: Patterns	18	32	9.9	55.0	9.9	55.0	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	84	13	15	36	43	17	20	18	21	843	84	15	43	20	21	843	14921	11	40	25	24	841
Ethnicity																						
African American/Black	2										2						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	1										1						181	24	42	20	14	848
Hispanic	3										3						131	7	34	26	33	836
Caucasian/White	78	12	15	34	44	15	19	17	22	843	78	15	44	19	22	843	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	2	13	2	13	11	73	824	15	0	13	13	73	824	2265	1	14	22	62	824
No	69	13	19	34	49	15	22	7	10	847	69	19	49	22	10	847	12656	13	45	26	17	844
Current LEP																						
Yes	1										1						315	5	24	20	51	828
No	83	13	16	36	43	17	20	17	20	843	83	16	43	20	20	843	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	25	2	8	11	44	4	16	8	32	837	25	8	44	16	32	837	5217	5	30	29	37	834
No	59	11	19	25	42	13	22	10	17	845	59	19	42	22	17	845	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	84	13	15	36	43	17	20	18	21	843	84	15	43	20	21	843	14914	11	40	25	24	841
Gender																						
Female	32	2	6	17	53	6	19	7	22	841	32	6	53	19	22	841	7199	11	40	26	23	841
Male	52	11	21	19	37	11	21	11	21	844	52	21	37	21	21	844	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	84	13	15	36	43	17	20	18	21	843	84	15	43	20	21	843	14115	12	41	25	23	842
Gifted/talented program																						
Yes	0										0						592	58	39	2	1	864
No	84	13	15	36	43	17	20	18	21	843	84	15	43	20	21	843	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	10 43 43 4	0 6 7 0	0 17 19 0	4 16 15 1	50 44 42 33	2 5 8 2	25 14 22 67	2 9 6 0	25 25 17 0	837 842 846 842	10 43 43 4	0 17 19 0	50 44 42 33	25 14 22 67	25 25 17 0	837 842 846 842	9 46 41 5	5 10 14 14	30 40 42 38	23 26 25 23	41 25 19 24	833 840 843 842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	29 50 12 9	6 5 2 0	25 12 20 0	11 21 3 1	46 51 30 14	4 7 1 5	17 17 10 71	3 8 4 1	13 20 40 14	849 845 833 833	29 50 12 9	25 12 20 0	46 51 30 14	17 17 10 71	13 20 40 14	849 845 833 833	30 50 17 4	17 10 6 3	43 42 32 18	22 26 29 25	18 22 33 54	845 841 836 828
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	37 45 14 4	8 5 0 0	26 14 0 0	14 17 4 1	45 46 33 33	4 8 4 1	13 22 33 33	5 7 4 1	16 19 33 33	848 843 835 833	37 45 14 4	26 14 0 0	45 46 33 33	13 22 33 33	16 19 33 33	848 843 835 833	26 45 23 5	29 7 1 1	46 46 26 14	14 27 34 29	11 20 38 57	851 841 833 827
How difficult was the mathematics part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	33 46 21	4 3 6	15 8 35	7 22 7	26 58 41	8 6 3	30 16 18	8 7 1	30 18 6	838 844 851	33 46 21	15 8 35	26 58 41	30 16 18	30 18 6	838 844 851	34 52 13	4 10 33	35 43 40	28 26 14	32 21 13	836 842 852
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	35 56 9	3 10 0	10 22 0	12 22 2	41 48 29	6 9 2	21 20 29	8 5 3	28 11 43	840 848 833	35 56 9	10 22 0	41 48 29	21 20 29	28 11 43	840 848 833	44 50 6	10 13 9	40 42 27	26 24 27	25 21 38	840 843 835
How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	4 2 24 70	0 0 2 11	0 0 10 19	0 0 6 30	0 0 30 52	1 2 7 7	33 100 35 12	2 0 5 10	67 0 25 17	821 836 837 847	4 2 24 70	0 0 10 19	0 0 30 52	33 100 35 12	67 0 25 17	821 836 837 847	9 16 28 48	6 8 12 13	38 38 41 40	27 27 27 23	29 27 21 24	837 839 843 842
How often do you use calculators in mathematics class? A. almost every day B. two or three times a week C. two or three times each month D. never or almost never	36 39 24 1	2 7 4 0	7 22 20 0	12 13 10 1	40 41 50 100	8 5 4 0	27 16 20 0	8 7 2 0	27 22 10 0	838 845 848 860	36 39 24 1	7 22 20 0	40 41 50 100	27 16 20 0	27 22 10 0	838 845 848 860	38 33 18 11	14 10 10 7	42 41 36 34	23 26 27 26	21 23 27 33	843 841 840 836
How do you feel about the following statement? <i>“My knowledge of mathematics will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	53 36 11 0	8 5 0 0	18 17 0 0	23 10 3 0	52 33 33 0	7 7 3 0	16 23 33 0	6 8 3 0	14 27 33 0	847 842 833 0	53 36 11 0	18 17 0 0	52 33 33 0	16 23 33 0	14 27 33 0	847 842 833 0	54 38 6 2	14 8 6 3	44 36 31 23	23 27 28 25	18 28 36 49	844 838 835 831
Optional school/SAU question A. B. C. D.	50 25 0 25	0 1 0 0	0 100 0 0	0 0 1 100	0 0 0 100	1 0 0 0	50 0 0 0	1 0 0 0	50 0 0 0	817 864 0 848	50 25 0 25	0 100 0 0	0 0 0 100	50 0 0 0	50 0 0 0	817 864 0 848						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: Old Orchard Beach School Dept
School: Loranger Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	9	11	9	11	1879	12
	2006-2007	7	11	7	10	2192	14
	2007-2008	16	19	16	19	2371	16
	Cum. Total*	32	14	32	14	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	44	56	44	56	8604	53
	2006-2007	41	62	41	60	7916	52
	2007-2008	43	51	43	51	7630	51
	Cum. Total*	128	56	128	55	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	12	15	12	15	3618	22
	2006-2007	12	18	13	19	3340	22
	2007-2008	17	20	17	20	3175	21
	Cum. Total*	41	18	42	18	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	14	18	14	18	2174	13
	2006-2007	6	9	7	10	1865	12
	2007-2008	8	10	8	10	1731	12
	Cum. Total*	28	12	29	13	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.0	57.1	8.0	57.1	8.1	57.9
Cluster 2: Physical Sciences	14	25	7.7	55.0	7.7	55.0	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	8.2	58.6	8.2	58.6	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.8	62.9	8.8	62.9	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	84	16	19	43	51	17	20	8	10	849	84	19	51	20	10	849	14907	16	51	21	12	847
Ethnicity																						
African American/Black	2										2						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	1										1						181	20	50	15	15	849
Hispanic	3										3						131	5	50	22	23	842
Caucasian/White	78	15	19	40	51	16	21	7	9	849	78	19	51	21	9	849	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	6	40	4	27	5	33	838	15	0	40	27	33	838	2258	3	29	31	37	836
No	69	16	23	37	54	13	19	3	4	852	69	23	54	19	4	852	12649	18	55	20	7	850
Current LEP																						
Yes	1										1						315	4	29	25	42	834
No	83	16	19	43	52	17	20	7	8	849	83	19	52	20	8	849	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	25	2	8	15	60	4	16	4	16	844	25	8	60	16	16	844	5206	8	45	28	20	842
No	59	14	24	28	47	13	22	4	7	851	59	24	47	22	7	851	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	84	16	19	43	51	17	20	8	10	849	84	19	51	20	10	849	14900	16	51	21	12	847
Gender																						
Female	32	4	13	17	53	10	31	1	3	848	32	13	53	31	3	848	7196	14	52	23	12	847
Male	52	12	23	26	50	7	13	7	13	850	52	23	50	13	13	850	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	84	16	19	43	51	17	20	8	10	849	84	19	51	20	10	849	14103	16	52	21	11	848
Gifted/talented program																						
Yes	0										0						592	63	35	1	0	865
No	84	16	19	43	51	17	20	8	10	849	84	19	51	20	10	849	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Old Orchard Beach School Dept
 School: Loranger Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	0	0	4	50	2	25	2	25	841	10	0	50	25	25	841	9	10	40	26	23	842
B. less than one hour	43	7	19	18	50	8	22	3	8	849	43	19	50	22	8	849	46	14	52	22	12	847
C. one to two hours	43	9	25	19	53	6	17	2	6	852	43	25	53	17	6	852	41	19	53	19	9	849
D. more than two hours	4	0	0	2	67	1	33	0	0	845	4	0	67	33	0	845	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	23	5	26	10	53	4	21	0	0	853	23	26	53	21	0	853	29	19	54	19	9	849
B. They match some of what I have learned.	55	10	22	25	56	6	13	4	9	851	55	22	56	13	9	851	49	16	51	22	11	848
C. They match just a little of what I have learned.	20	1	6	8	50	5	31	2	13	842	20	6	50	31	13	842	18	13	51	23	13	846
D. There is no match.	2	0	0	0	0	2	100	0	0	839	2	0	0	100	0	839	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	27	5	23	11	50	5	23	1	5	852	27	23	50	23	5	852	23	28	51	13	8	853
B. good	49	11	28	21	53	6	15	2	5	853	49	28	53	15	5	853	54	15	55	21	9	848
C. fair	21	0	0	9	53	5	29	3	18	841	21	0	53	29	18	841	20	5	45	32	18	842
D. poor	4	0	0	1	33	1	33	1	33	835	4	0	33	33	33	835	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	29	4	17	13	54	5	21	2	8	848	29	17	54	21	8	848	27	15	49	22	14	846
B. about the same as my regular schoolwork	55	11	24	21	47	9	20	4	9	850	55	24	47	20	9	850	59	15	53	22	10	848
C. easier than my regular schoolwork	16	1	8	9	69	3	23	0	0	851	16	8	69	23	0	851	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	37	4	13	15	50	10	33	1	3	848	37	13	50	33	3	848	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	57	12	26	23	50	7	15	4	9	852	57	26	50	15	9	852	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	6	0	0	4	80	0	0	1	20	845	6	0	80	0	20	845	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	28	2	9	13	57	4	17	4	17	844	28	9	57	17	17	844	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	20	5	31	7	44	4	25	0	0	854	20	31	44	25	0	854	24	18	53	20	10	849
C. the course(s) described in B, plus physics	24	7	35	10	50	2	10	1	5	856	24	35	50	10	5	856	22	30	47	14	8	853
D. a life science and physical science class	28	1	4	13	57	7	30	2	9	845	28	4	57	30	9	845	29	8	52	27	14	844
How do you feel about the following statement? <i>"My knowledge of science and technology will be useful to me as an adult."</i>																						
A. strongly agree	30	5	20	14	56	5	20	1	4	851	30	20	56	20	4	851	27	23	51	17	9	851
B. agree	53	10	23	23	52	8	18	3	7	851	53	23	52	18	7	851	54	15	53	21	11	847
C. disagree	13	1	9	6	55	3	27	1	9	844	13	9	55	27	9	844	15	10	50	26	14	845
D. strongly disagree	4	0	0	0	0	1	33	2	67	829	4	0	0	33	67	829	4	7	39	30	24	841
How well does the following statement reflect your future goals? <i>"I am interested in a career related to science, technology, engineering, or mathematics."</i>																						
A. strongly agree	22	2	11	13	72	2	11	1	6	851	22	11	72	11	6	851	25	24	52	15	8	851
B. agree	42	13	37	16	46	4	11	2	6	855	42	37	46	11	6	855	37	15	50	22	12	847
C. disagree	19	1	6	8	50	7	44	0	0	844	19	6	50	44	0	844	26	12	53	23	12	846
D. strongly disagree	17	0	0	6	43	4	29	4	29	840	17	0	43	29	29	840	12	8	48	28	15	844
Optional school/SAU question																						
A.	50	0	0	0	0	2	100	0	0	837	50	0	0	100	0	837						
B.	25	1	100	0	0	0	0	0	0	874	25	100	0	0	0	874						
C.	0										0											
D.	25	1	100	0	0	0	0	0	0	868	25	100	0	0	0	868						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number